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Headquarters Air Mobility Command



TANKERS AND TRANSLOADING: Making the Most of Dual Role Tankers

1LT James Pruitt

14 Jun 07

Enabling the “Global” in “Global Vigilance, Reach and Power!”



OVERVIEW



- Purpose
- Assumptions/Scenario
- Methodology
- Results
- Summary



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PURPOSE



- High Level Look at Potential Impact of Using Available Untasked Tankers to Augment Transload Operations



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ASSUMPTIONS/SCENARIO



- **2 MCO Scenario**
- **2 Transload Hubs Per Theater**
- **Notional Transload Hubs Not Suitable For C-130
Transload Shuttle Ops Due to Distance, Overflight, Etc**
- **Air Bridge Tankers For Transload Based Upon Daily
Availability After Refueling Mission Requirements**
- **Unrestricted MOG**

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METHODOLOGY



-
- **Air Mobility Operations Simulator (AMOS) Used To Model Airlift Operations And Combined Mating and Ranging Planning System (CMARPS) Used to Model Aerial Refueling Requirements and Provide Tanker Availability for Transload Ops**

 - **AMOS Runs**
 - **Baseline**
 - ◆ 2 MCO Reqmt/Fleet/No Transload Req'd

 - **Transload Ops Without Tanker Support**
 - ◆ 10, 20, & 40 C-17s Pulled From Strat Lift To Do Transload Ops For Each Theater

 - **Transload Ops With Tanker Support**
 - ◆ 10 & 20 C-17s Pulled From Strat Lift To Do Transload Ops For Each Theater
-

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MOBILITY SYSTEM (Baseline)

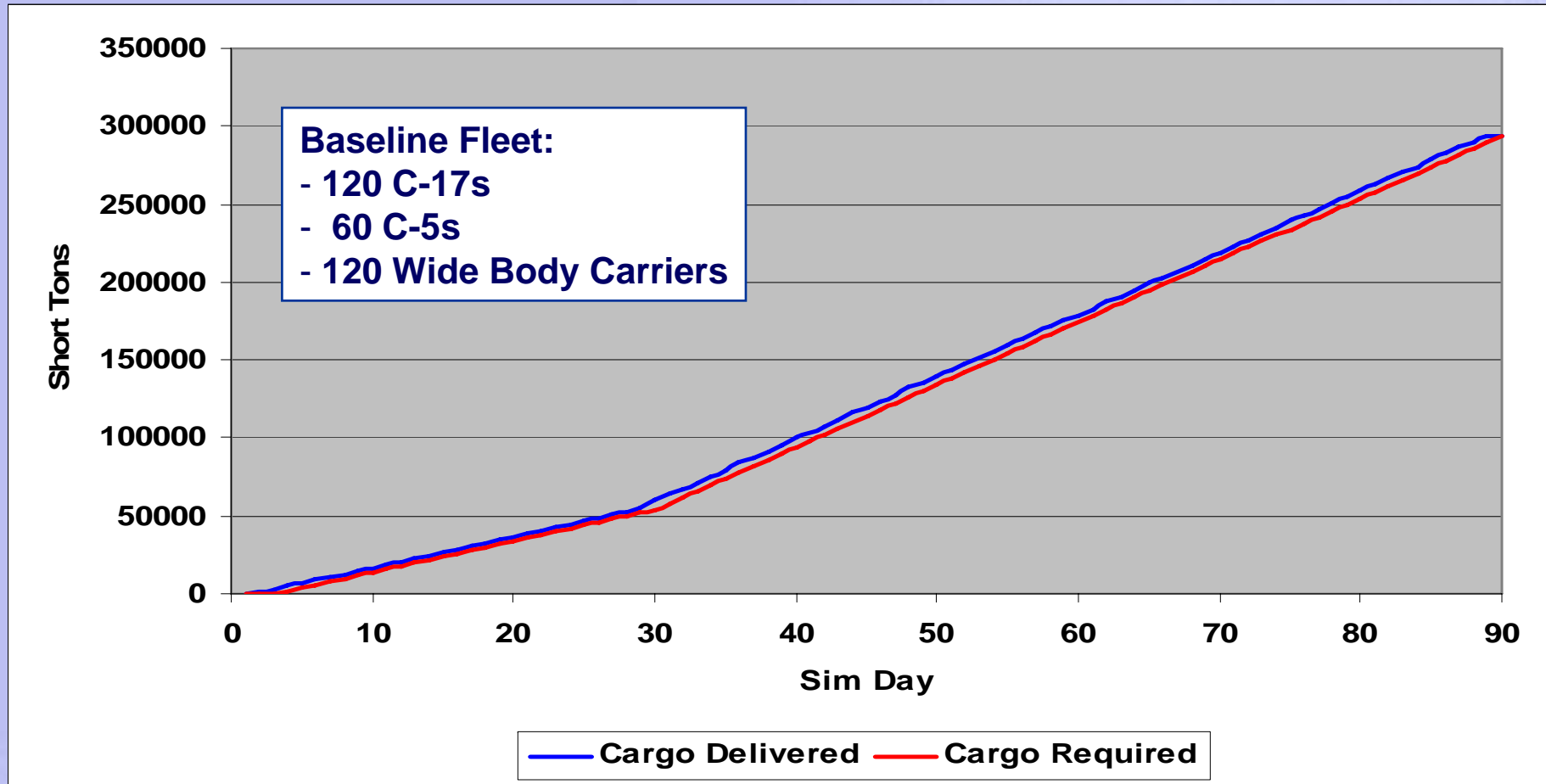


→ **Baseline Routes**

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BASELINE DELIVERY



Cargo Closure Achieved

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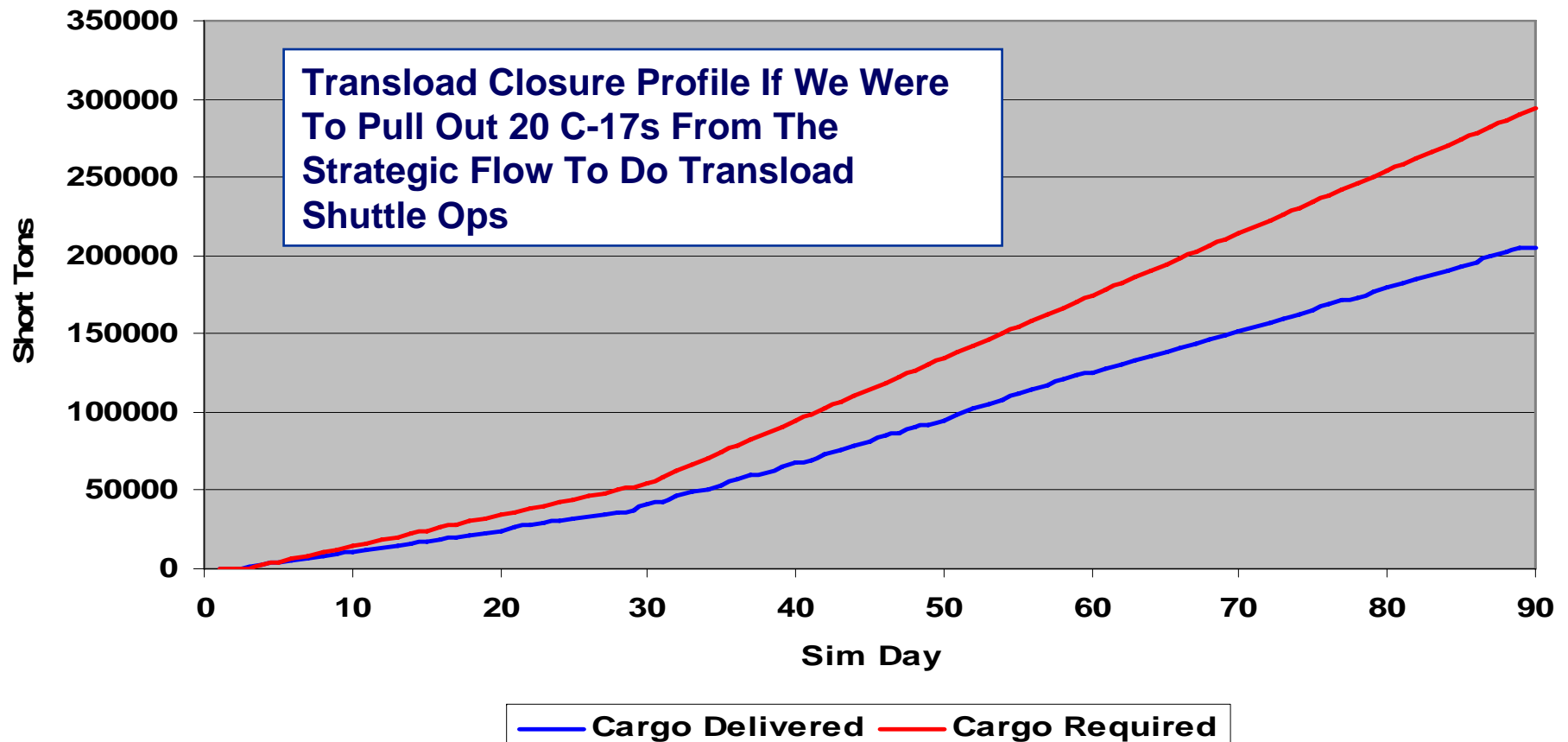
MOBILITY SYSTEM (Transload Ops)



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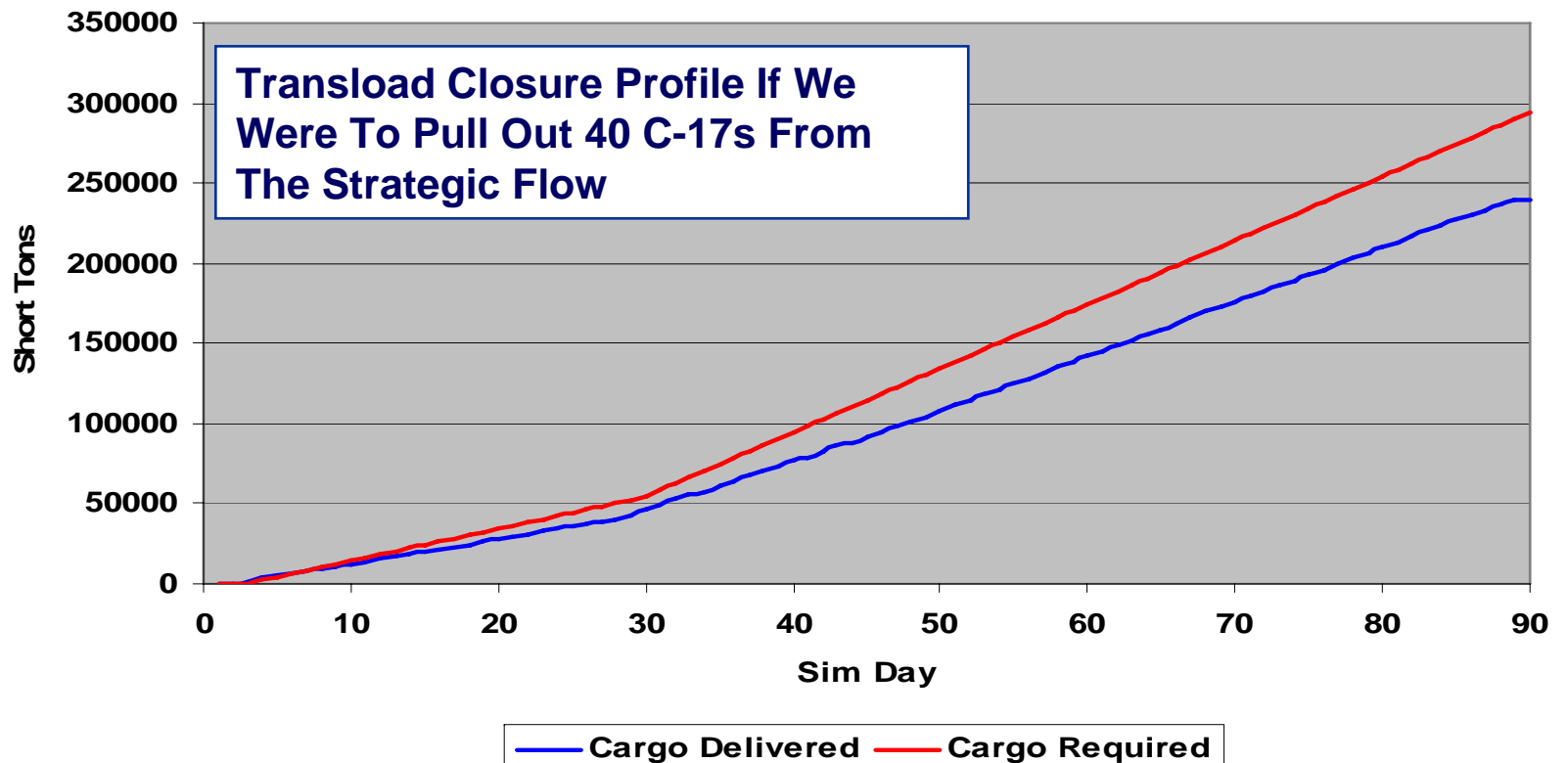
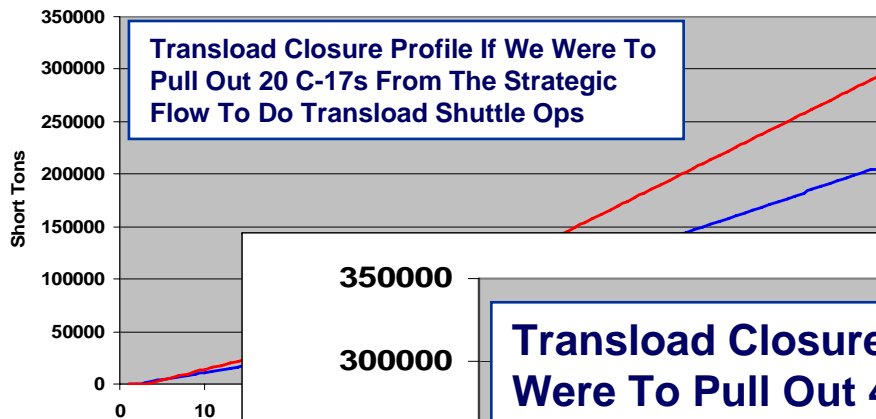
TRANSLOAD WITHOUT DUAL ROLE TANKER



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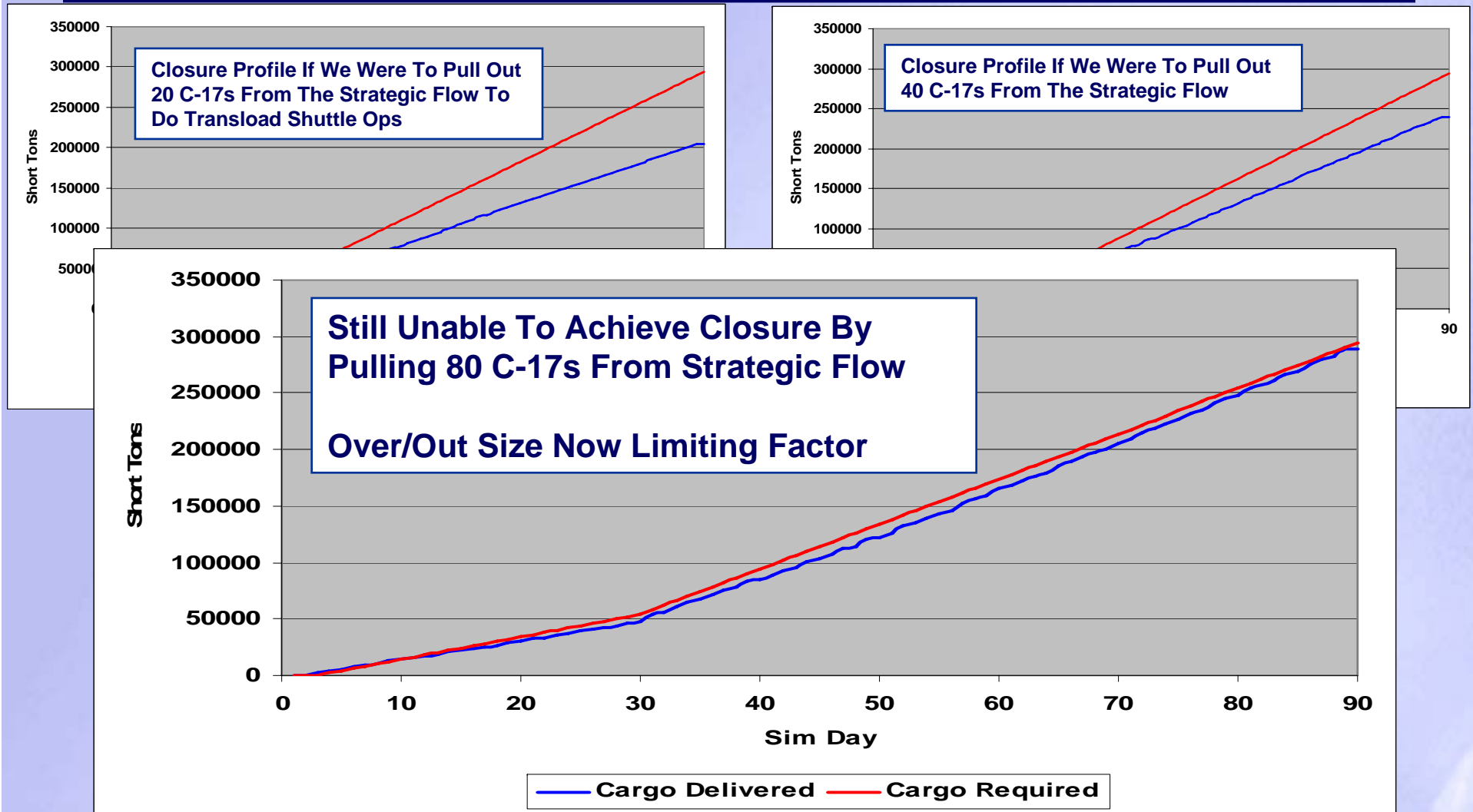
TRANSLOAD WITHOUT DUAL ROLE TANKER



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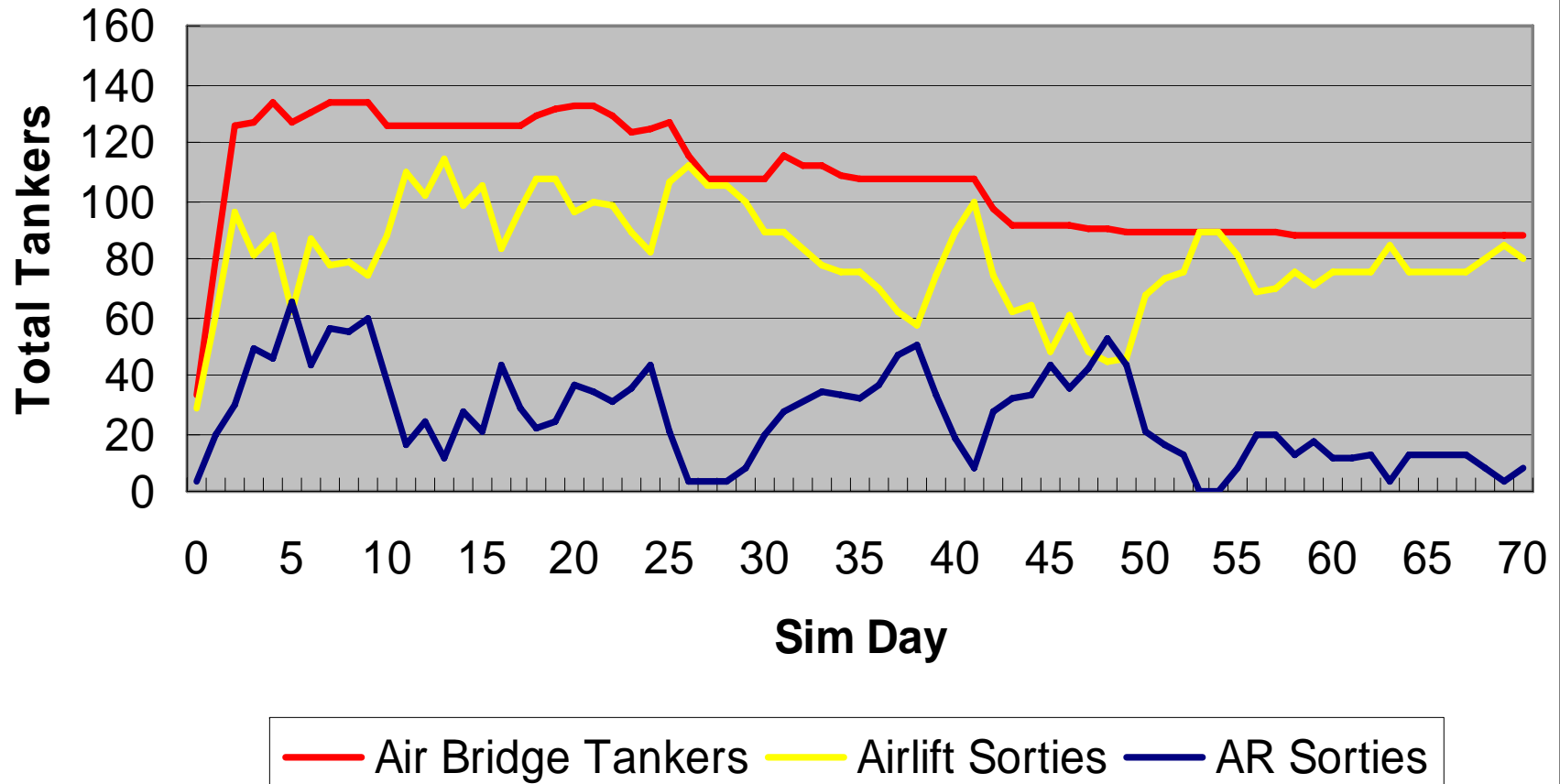
TRANSLOAD WITHOUT DUAL ROLE TANKER



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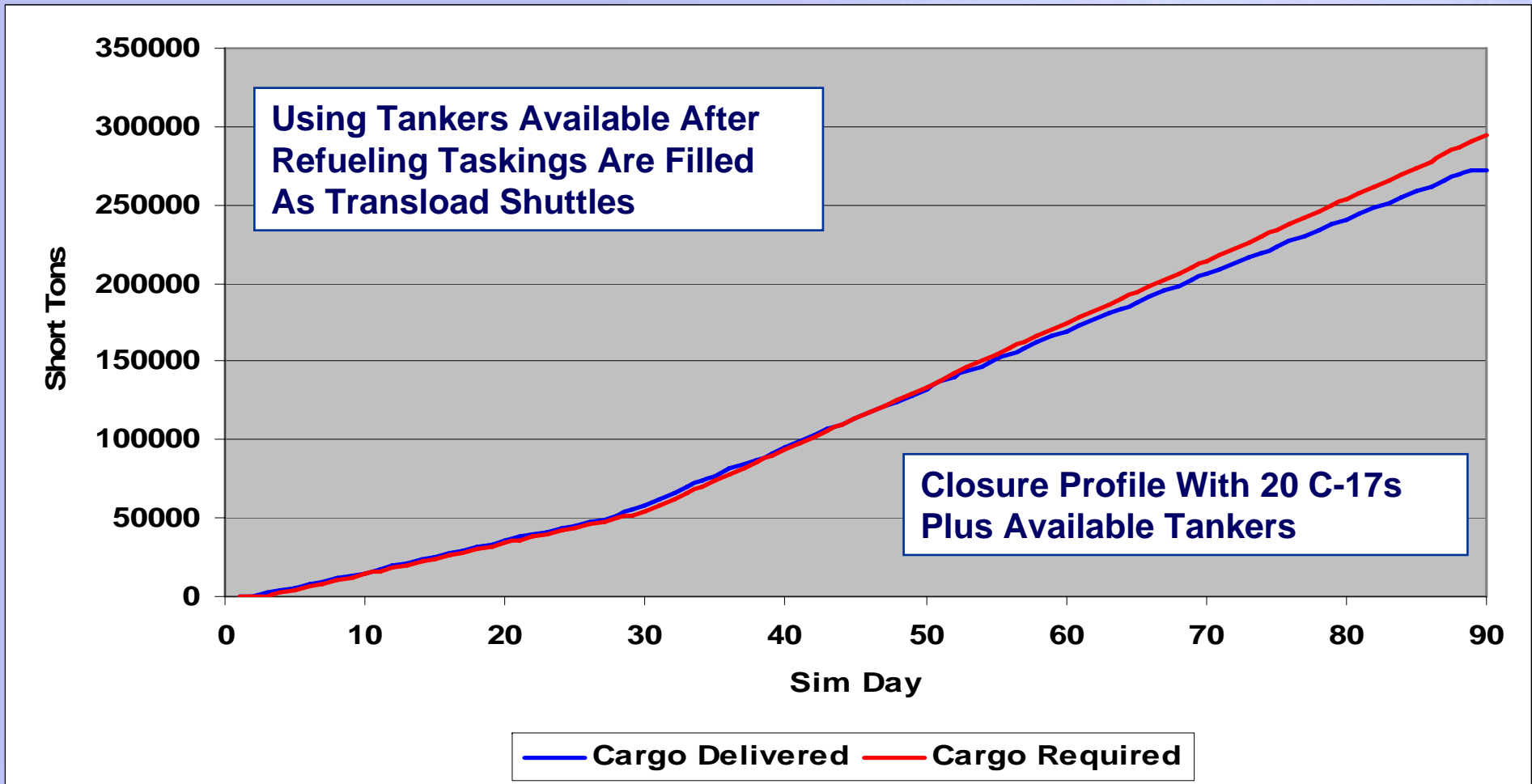
TANKERS AVAILABLE TO SUPPORT TRANSLOAD



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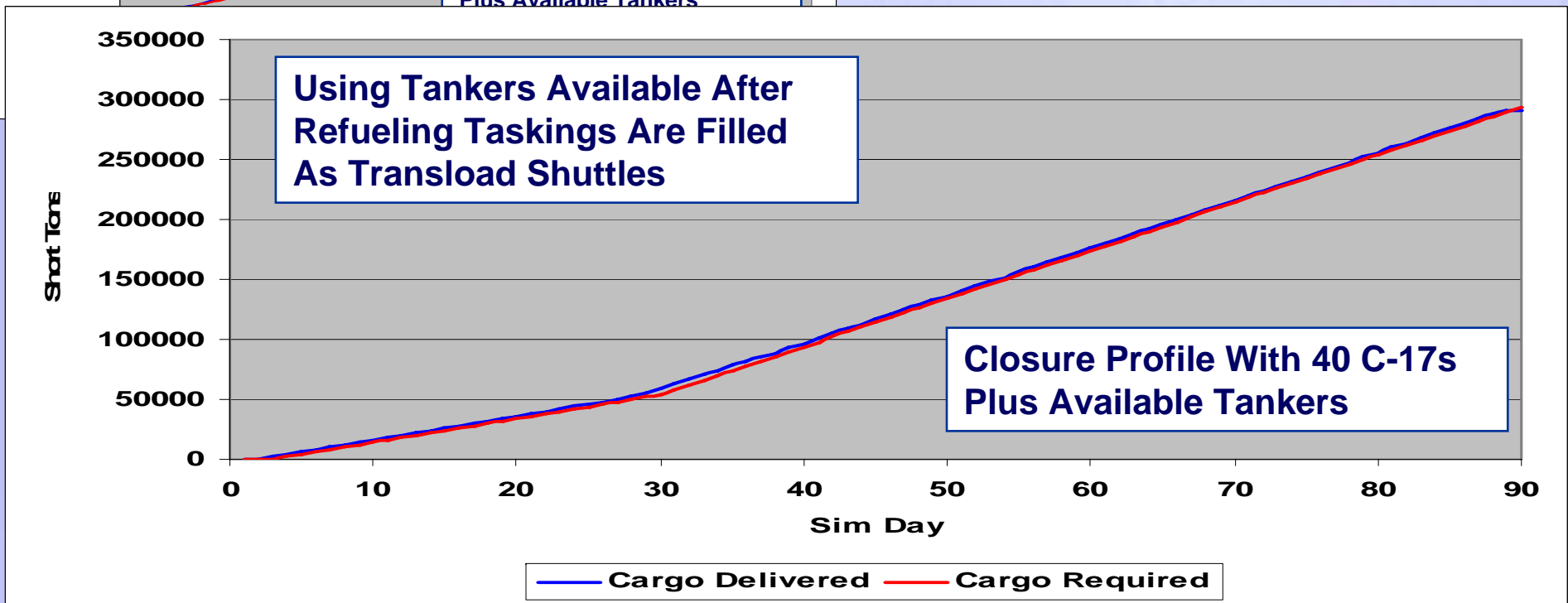
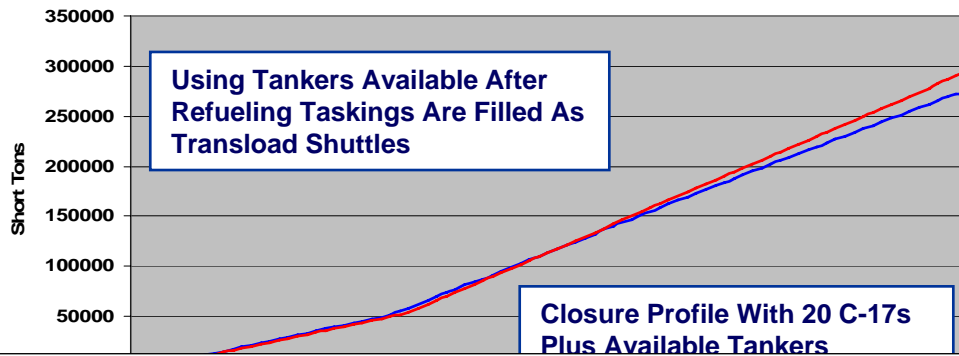
TRANSLOAD WITH DUAL ROLE TANKER



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TRANSLOAD WITH DUAL ROLE TANKER



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CONCLUSIONS



- Tankers Carried 14% Of The Bulk Cargo and 57% Of The PAX From Transload Bases To APODs In the 40 C-17 Scenario
- Dual Role Tankers With Defensive Systems Can Make The Difference And Close The Force

Dual Role Tankers Impact Velocity In Transload

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SUMMARY



- Purpose
- Assumptions
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QUESTIONS?

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BACKUP SLIDES



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